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October 19, 2004

Via Express Mail

MAIL STOP: AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application No. 09/508,805  
Filed: May 31, 2000  
Inventors: Ilan Ben-Oren, et al.  
Title: ISOTOPIC GAS ANALYZER  
Our File: 22350/12

Dear Sir:

Enclosed please find the following documents in connection with the above-identified application:

1. an Amendment in response to the May 10, 2004 Office Action (24 pages); and
2. a Return Receipt Postcard.

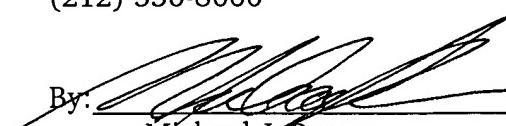
Please acknowledge receipt of the enclosed papers by stamping the enclosed postcard and returning the same.

No fee is deemed necessary in connection with the filing of this Amendment. If any fee is required to preserve the pendency of the application, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 01-1785.

Respectfully submitted,

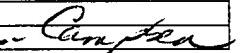
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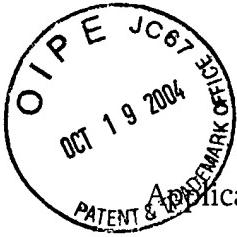
Dated: October 19, 2004  
New York, New York

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Signature:	



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/508,805

Confirmation No. 1999

Applicants : Ilan Ben-Oren, et al.

Filed : May 31, 2000

TC/A.U. : 3736

Examiner : Robert L. Nasser

Docket No. : 22350/12

Customer No. : 1912

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Name:	Vivian Campbell
Signature:	<i>Vivian Campbell</i>

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action of May 10, 2004, please amend the above-identified application as follows:

**Amendments to the specification** begin on page 2 of this paper.

**Amendments to the claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 16 of this paper.